



**MPL Products**  
 26 Baddesley Way  
 Canning Vale, Western Australia  
 Australia, Post Code – 6155  
 ph: +61421837661  
 email: [mplexim61@gmail.com](mailto:mplexim61@gmail.com)

**1. IDENTIFICATION OF PRODUCT**

<b>Product Name</b>	<b>GUM ROSIN WW GRADE</b>
<b>Product Description</b>	Rosin / Colophony
<b>Recommended use</b>	General adhesives, hot-melt and pressure sensitive adhesive, mastics and sealants, varnishes, ester gum, soldering compounds, core oils, insulating compounds, soaps, paper sizing, printing inks, polyesters, and raw material for synthetic resins.
<b>Manufacturer</b>	PT. KEICHEM INDONESIA Kompleks Industri Gobel Jl. Raya Teuku Umar Km. 29, Cibitung - Bekasi
<b>Emergency telephone number</b>	+62 21 8832 9911

**2. HAZARD(S) IDENTIFICATION**

<b>GHS Classification</b>	Sensitization – Skin : Category 1
<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement(s)</b>	H317 May Cause an allergic skin reaction.
<b>Pictogram (s)</b>	



<b>Precautionary Statement - Prevention</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
<b>Precautionary Statement - Response</b>	P272 Contaminated work clothing should not be allowed out of the workplace.
<b>Precautionary Statement - Disposal</b>	P280 Wear protective glove/protective clothing. P302+P352 IF ON SKIN : Wash with plenty of soap and water. P333+P313 If skin irritation or rash occur : Get medical advice/attention. P363 Wash contaminated clothing before reuse. P501 Dispose of contents/container to an approved waste disposal plant.

**Classification System**

NFPA RATINGS ( scale 0 – 4 )

	HEALTH = 0 FIRE = 1 REACTIVITY = 0
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### **3. COMPOSITION INFORMATION ON INGREDIENTS**

<i>Chemical Characterization</i>	Solid
<i>CAS Number Description</i>	Rosin
<i>CAS Number</i>	8050-09-7
<i>EC Number</i>	232-475-7

#### ***Information on Composition Ingredients***

Mainly a mixture of resin acids. Up to 10% may consist of other acids and neutral compounds.

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Rosin Gum	8050-09-7	100%

### **4. FIRST AID MEASURES**

#### ***Skin Contact***

Wash off immediately with plenty of water and soap. Hot resin splashes should be left intact. If necessary consult a doctor.

#### ***Eyes Contact***

Treat the solid resin as an inert particle. Wash with water for at least 15 minutes. Swab the remained particle in the skin around with baby oil. Remove contact lenses for better treatment.

#### ***Inhalation***

Remove to fresh air. Treat any irritation symptomatically. If necessary consult a doctor.

#### ***Ingestion***

Rinse out mouth with water. Drink large quantities of water. Call a doctor. NEVER give anything by mouth to an unconscious person.

#### ***First Aid Facilities***

Eye wash and normal washroom facilities.

#### ***Advice to Doctor***

Treat symptomatically and supportively.

#### ***Protective for First Aiders***

No action shall be taken involving any personal risk or without suitable training.

### **5. FIRE-FIGHTING MEASURES**

***Hazard From Combustion Product*** Irritation and highly toxic fumes, smoke and gases, including formaldehyde, acetone, methanol, aldehydes, carbon dioxide, carbon monoxide, methane, ethane and acids.

***Suitable Extinguishing Agents*** Water spray, dry chemical, foam, carbon dioxide or clean extinguishing agents may be used on fires involving this product.

#### ***Danger Signs***

Excessive fumes from over heating resin.

#### ***Protective Equipment***

Wear self-contained breathing apparatus pressure-demand.

Apply water to HOT MOLTEN or HOT LIQUID resin fires from a safe, protected location to avoid body contact with hot rosin.

Cool packaging with water to prevent rupture.

### **6. ACCIDENTAL RELEASE MEASURES**

#### ***Personal Precautions***

Avoid substance contact. Avoid generation of dust. Do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

#### ***Personal Protection***

Use personal protective equipment listed in section 8.

#### ***Cleanup Methods – Small Spillage***

Sweep up ( avoid generating dust ) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.



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## **7. HANDLING AND STORAGE**

### ***Precaution for safe handling***

Handle in a well ventilated area. The conditions of use of this resin should be examined to try to reduce fumes and dusting. The fine particles and powder should be regarded as an inert, nuisance dust with a threshold limit value of 10 mg/m<sup>3</sup> for the respiratorable portion. When emptying, where flammable vapors are present, blanket the vessel with an inert gas and pour this product into a conductive earthed chute. Earth all equipment.

### ***Conditions for safe storage***

Product should be stored, in a clean well ventilated area with relative humidity below 70 % at ambient temperature. Maintain a clean area by removing dust.

Keep away from sun light, heat, sparks and other sources of ignition. No smoking. The product is prone to slow oxidation and it is recommended that it be used on a first-in first-out basis.

### ***Packaging Material To Avoid***

None. The packaging material should have reasonable moisture and air barrier properties.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### ***Additional information about design of technical system***

Eye wash fountains and safety showers should be easily accessible.

If user operations generate dust or fumes : use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations.

Eliminate ignition sources and prevent build up of static electrical charges. Completely isolate and thoroughly clean all equipment, piping or vessels before beginning maintenance or repair.

Keep area clean. Product will burn.

### ***Control Parameters***

### ***Components with limit values that require monitoring at the work place***

Not required

### ***Additional Occupational Exposure Limit Values for Possible Hazard during processing***

This product may present an inhalation health hazard if used under conditions that could generate dust or fumes.

### ***Exposure Control – Personal Protective Equipment***

#### ***General protective and hygiene measure***

Avoid contact with eye, skin and clothing.

Avoid breathing dust or fumes. Handle in areas with adequate ventilation.

#### ***Breathing equipment***

Appropriate respiratory protection is required when exposure to airborne contaminants may exceed acceptable limits.

#### ***Protection of hands***

Impervious gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation.

#### ***Eye Protection***

Safety glasses



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**Body Protection**

Appropriate protective clothing. Personnel exposed to hot molten or hot liquid material should wear protective clothing that provides protection against thermal burns

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance Form :</b>	Solid at ambient temperatures
<b>Clarity :</b>	Bright transparent
<b>Appearance Colour :</b>	Pale yellow to light amber
<b>Colour ( Gardner Holt ) :</b>	Max. 8
<b>Odour :</b>	Slight odor of turpentine
<b>Acid Value ( mg KOH / gr ) :</b>	Max. 198
<b>Softening Point ( °C ) :</b>	75 - 85
<b>Vapour Pressure ( mmHg ) :</b>	Essentially non volatile
<b>Vapour Density :</b>	Vapour Density :
<b>Solubility in water :</b>	Negligible
<b>Other information :</b>	No further relevant information available

**10. STABILITY AND REACTIVITY**

**Reactivity and Chemical Stability**

**Thermal Decomposition / Condition to be avoided**

Stable under recommended handling and storage condition.

**Possibility of Hazardous Reaction** No dangerous reactions known .

**Conditions to Avoid** Excessive heating. Dust / air mixture can ignite explosively.

**Incompatible Materials** None known

**Hazardous Decomposition Product** No dangerous decomposition product known.

**11. TOXICOLOGICAL INFORMATION**

**Ingestion**

Ingestion of large quantities may cause irritation of the gastrointestinal tract and stomach and produce gastrointestinal symptoms, including nausea and vomiting.

**Inhalation**

Noxious and irritating fumes may be released on overheating this product. The thermal decomposition of these Vapors at about 300 °C may give risk to products which, if not ventilated adequately, could cause asthmatic attacks in a small percentage of exposed workers.

**Skin**

Contact may cause skin irritation. Solid, dust or fumes can cause dermatitis. May cause skin sensitization, an allergic reaction, which become evident upon re-exposure to this material.

**Eyes**

May cause mechanical eye irritation, resulting in tearing and stinging. Fumes can also cause irritation to the eyes, with redness, tearing and discomfort.

**Carcinogenicity**

Not listed in the IARC Monographs.

**Chronic Effect**

Repeated or prolonged skin contact with the solid state can cause contact dermatitis an allergic reaction. It can also cause eczema. Repeated or prolonged inhalation of the rosin dust or smoke can cause allergic respiratory reaction ( asthma ).

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**12. ECOLOGICAL INFORMATION**

*Ecological Information* No ecological problems are to be expected when the product is handled and used with due care and attention.

*Persistence and degradability* This product will be slowly biodegradability aerobic.

**13. DISPOSAL CONSIDERATIONS**

*Disposal Consideration* Whatever cannot be saved for recovery or recycle should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.

**14. TRANSPORT INFORMATION**

*UN Number* None

*IATA Classification* None

*ADR Classification* None

*IMDG* International Marine Dangerous Goods Regulation

*Technical Name* GUM ROSIN

*IMDG Code* Not included

*Packing* Galvanized drum

**15. REGULATORY INFORMATION**

*EC Labeling* None

*Safety Phrases* None

**16. OTHER INFORMATION**

**DISCLAIMER:** To the best of our knowledge of this substance and on current EC and international regulations, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries or agents assumes liability whatsoever for the accuracy or completeness of the information contained herein.

Departement issuing MSDS Quality Assurance Departement

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